Sunday, June 29

1:00	18:00	Registration	Sheraton – Fireplace Room
18:30	20:00	Welcome Reception	Sheraton - South Atrium

Monday, June 30

7:30	Continental Breakfast		Sheraton - Pre-function Area		
8:00	12:00	Late Registration	Fireplace Room		
8:00	Welcome and Conference Opening – B. Doyle, J. Phillips		Sheraton Conference Center – Rooms EFGH		
8:30		Joseph Sanchez – *"The Spanish Presence in North America: Or do you know the way to Santa Fe?"*			
		Plenary Talks; Chair: G. Vizkelethy			
9:00	MON-PLE-1	*The Role of Ion Beam Analysis in the Determination of the Structure & Composition of Oxides* – I. Vickridge			
9:30	MON-PLE-2	*Ion Beam Analysis for Future Electronic Device & Process Development* – M. Takai			
10:00		***BREAK***	*Pre-function area*		
	Invited & Contributed Sessions				
	Materials Science 1 (oxides); Chair: L. Feldman - Conference Center E		Nuclear Microscopy; Chair: P. Rossi – Conference Center FGH		
10:30	MON-AM-A-1	*Using IBA in Determining the Mechanisms of Cleavage in Hydrogen Ion Implanted Si* – M. Nastasi	10:30	MON-AM-B-1	*IBA Using a Microprobe of 17 MeV Protons & High Energy Heavy Ions* – P. Reichart
11:00	MON-AM-A-2	*Study of Thin Hafnium Oxides Films Deposited by Atomic Layer Deposition* – J. Ganem	11:00	MON-AM-B-2	*Focusing of MeV Ion Beams by Tapered Glass Capillaries & Its Application to Material Analysis* – T. Narusawa
11:20	MON-AM-A-3	*Degradation of SiO_2 Films Under 1 MeV/amu Heavy Ion Irradiation* – W. Arnoldbik	11:20	MON-AM-B-3	*Magnetic Sextuplet as a Zoom Lens for the Nuclear Microprobe at the Louisiana Accelerator Center* – A. Dymnikov
11:40	MON-AM-A-4	*ERDA Study of Hydrogen Trapping at the $Hf_xSi_{1-x}O_2$/Si Interface* - M. El Bouanani	11:40	MON-AM-B-4	*Three-dimensional Ion Microbeam Tomography of Pearlescent Pigments* – J. Simcic
12:00		***LUNCH*** *(your own arrangements)*			
13:30	**Poster Session 1**		**Conference Center ABCD, Potters, Weavers, Turquoise rooms**		
15:00		***BREAK***	***Pre-function area***		
	Materials Science 2; Chair: H. Karl – Conference Center E		Single Ion Techniques & Applications; Chair: M. Jaksic - Conference Center FGH		
15:30	MON-PM-A-1	*Virtues & Pitfalls in Structural Analysis of Ion Implanted Heterostructures by the Complementary Use of RBS/ channeling & High Resolution X-ray Diffraction* – A. Turos	15:30	MON-PM-B-1	*Development of Single Ion Hit Techniques & Their Applications at TIARA of JAERI Takasaki* – T. Kamiya
15:50	MON-PM-A-2	*IBA: A Toolkit for Storage Technology R&D* – A. Kellock	16:00	MON-PM-B-2	*Ion-Induced Emission Microscopy for IBA* – P. Rossi
16:10	MON-PM-A-3	*Ion Beam Induced Phase Transformation Detection by Ion Beam Induced Luminescence* – G. Gosnell	16:30	MON-PM-B-3	*Theory of Ion Beam Induced Charge Collection in Semiconductor Devices Based on the Gunn's Theorem* – E. Vittone
16:30	MON-PM-A-4	*Lattice Location of Mn & Fundamental Curie Temperature Limit in Ferromagnetic $Ga_{1-x}Mn_xAs$* – K. Yu	16:50	MON-PM-B-4	*Inspection of Floating Body Effects in SOI Devices Using High Energy Nuclear Microprobes* – S. Abo
16:50	MON-PM-A-5	*Helium Retention in As-Implanted Silicon* – P. Fichtner	17:10	MON-PM-B-5	*Investigation of Intra-crystallite Charge Transport in CVD Diamond with Ion Beam Induced Charge Imaging* – A. Simon
17:10	MON-PM-A-6	*Annealing Behavior of Al-Implantation-Induced Disorder in 4H-SiC* – Y. Zhang			
18:00		***DINNER*** *(your own arrangements)*			
19:30	Workshops		Conference Center E, FGH & Franciscan Room		
22:00	Daily Session Concludes				

Tuesday, July 1

7:30	Continental Breakfast		Pre-function Area		
		Plenary Talks; Chair: J. Tesmer	Conference Center EFGH		
8:30	TUE-PLE-1	*Ion Energy Loss: Mechanisms & Models* – G. Schiwietz			
9:00	TUE-PLE-2	*Materials Characterization Needs in the Metrology Roadmap* – A. Diebold			
9:30	TUE-PLE-3	*High Resolution RBS: A Powerful Tool for Atomic Level Characterization* – K. Kimura			
10:00		***BREAK***	***Pre-function area***		
	High Resolution; Chair: R. Elliman - Conference Center E		Materials Science 3 (channeling); Chair: A. Pathak – Conf Center FGH		
10:30	TUE-AM-A-1	*Ultra High Resolution IBA* – G. Dollinger	10:30	TUE-AM-B-1	*Assessment of Subsurface Damage in II-VI Semiconductors by Ion Channeling* – D. Lucca
11:00	TUE-AM-A-2	*Heavy Ion Elastic Recoil Detection Analysis of Silicon-rich Silica Films* – T. Weijers	11:00	TUE-AM-B-2	*Channeling Study of the Damage Induced in Ceramic Oxide Crystals Irradiated with High-energy Heavy Ions* – L. Thomé
11:20	TUE-AM-A-3	*RBS with High Depth Resolution Using a Small Magnetic Spectrometer* – R. Grötzschel	11:20	TUE-AM-B-3	*Structural Characterization of Half-metallic Heusler Compound NiMnSb: a New Material for Spintronics* – L. Nowicki
11:40	TUE-AM-A-4	*Reliable ERD Analysis of Group-III Nitrides Despite Severe Nitrogen Depletion Due to Electronic Energy Loss* – S. Shrestha	11:40	TUE-AM-B-4	*The Unique Role of IBA in Modeling the Thermal Evolution of Hydrogen in Si Implanted at Doses Required for Ion Cutting* – O. Holland
12:00		***LUNCH*** *(your own arrangements)*			
13:30	**Poster Session 2**		**Conference Center ABCD, Potters, Weavers, Turquoise rooms**		
15:00		***BREAK***	***Pre-function area***		
	Fundamentals 1; Chair: G. Schiwietz - Conference Center E		Hardware Techniques; Chair: G. Norton - Conference Center FGH		
15:30	TUE-PM-A-1	*SRIM – The Stopping & Range of Ions in Matter* – J. Ziegler	15:30	TUE-PM-B-1	*Compact AMS Facilities: Recent Developments & Prospects* – M. Suter
16:00	TUE-PM-A-2	*Paradoxical Features of Angular Multiple Scattering in Matter & Their Implications in Depth Profiling with IBA* – G. Amsel	16:00	TUE-PM-B-2	*A New Time-of-flight Instrument for Quantitative Surface Analysis* – I. Veryovkin
16:30	TUE-PM-A-3	*Stopping of Light & Heavy Ions* – P. Sigmund	16:20	TUE-PM-B-3	*AMS Depth Profiling of Tritium in Carbon &Humidity in Silica* – M. Friedrich
17:00	TUE-PM-A-4	*Elastic Recoil Detection Analysis of He-3* – J. Knapp	16:40	TUE-PM-B-4	*Gas Ionization Chambers with Silicon Nitride Windows for the Detection & Identification of Low-Energy Ions* – M. Döbeli
17:20	TUE-PM-A-5	*Z_1 & Position Dependence of Channeling Stopping Power* – A. Pathak	17:00	TUE-PM-B-5	*A Nanosecond Pulsing System for MeV Light Ions Using a 2 Mv Tandetron* – D. Mous
Bohmische Physical Society					
18:30	Reception		Pre-function Area		
19:30	Meeting		Conference Center EFGH		

22:00 Daily Session Concludes

Wednesday, July 2

7:30	Continental Breakfast		Pre-function Area
		Plenary Talks; Chair: H. Schone	Conference Center EFGH
8:30	WED-PLE-1	*Developments in Proton Beam Writing* – F. Watt	
9:00	WED-PLE-2	*Medium Energy Ion Scattering Spectroscopy for Interface Composition & Structure Analysis* – D. Moon	
9:30	WED-PLE-3	*Ion Beam Analysis for Fusion Energy Research* – W. Wampler	
10:00		***BREAK***	***Pre-function area***
10:30	**Poster Session 1**		**Conference Center ABCD, Potters, Weavers, Turquoise rooms**
12:00	**Conference Outing (includes lunch)**		Buses depart in front of the Sheraton
18:30			Buses return to the Sheraton
18:30		***DINNER*** *(your own arrangements*)	
19:00	**International Committee Meeting**		

22:00 Daily Session Concludes

Thursday, July 3

7:30	Continental Breakfast		Pre-function Area		
		Plenary Talks; Chair: G. Bench	Conference Center EFGH		
8:30	THU-PLE-1	*Ion Beam Bio-inorganic Elemental Microanalysis: Applications for Investigation of Normal & Pathological Nerve Cell Function* – K. Briski			
9:00	THU-PLE-2	*Ion Beam Analysis for Single Atom Doping* – D. Jamieson			
9:30	THU-PLE-3	*Data Analysis of Elastic Scattering Spectrometry* – E. Rauhala			
10:00		***BREAK***	***Pre-function area***		
	Data Analysis; Chair: J. Knapp - Conference Center E		Bio-Medical/Earth; Chair: A. Sjoland – Conf Center FGH		
10:30	THU-AM-A-1	*Monte Carlo Simulations of Surface Roughness Effects in ERD Measurements* – K. Arstila	10:30	THU-AM-B-1	*Quantifying & Characterizing Proteins with MeV Ions* – P. Grant
11:00	THU-AM-A-2	*Efficient Monte Carlo Simulation of Heavy Ion Elastic Recoil Detection Analysis Spectra* – R. Franich	11:00	THU-AM-B-2	*Elemental Microanalysis in Ecophysiology Using Ion Microbeam* – W. Przybylowicz
11:20	THU-AM-A-3	*A General Artificial Neural Network for Analysis of RBS Data of any Element with Z between 18 & 83 Implanted into any Lighter One- or Two-element Target* – N. Barradas	11:20	THU-AM-B-3	*Single Ion Bombardment of Living Cells at LIPSION* – T. Reinert
11:40	THU-AM-A-4	*High-energy PIXE: Quantitative Analysis* – A. Denker (**P1-21 in the abstract book)**	11:40	THU-AM-B-4	*Nuclear Microprobe Analysis of Volatile Elements in a Chondritic Meteorite* – C. Wetteland
12:00		***LUNCH*** *(your own arrangements)*			
	High Sensitivity; Chair: C. Wetteland - Conference Center E		Materials Science 4; Chair: W. Jiang- Conference Center FGH		
13:30	THU-PM-A-1	*Heavy Ion Backscattering Spectrometry at the University of Central Florida* – G. Braunstein	13:30	THU-PM-B-1	*Applications of Nuclear Reactions in Addressing Environmental & Industrial Material Issues* – S. Thevuthasan
14:00	THU-PM-A-2	*Measurement of Very Low Bulk Concentrations (below 1 ppm) of Hydrogen Using ERDA* – A. Tripathi	14:00	THU-PM-B-2	*Corrosion Studies by IBA Techniques* – R. Hanrahan
14:20	THU-PM-A-3	*ERD, ^{15}N NRRA in Air, HIRBS: IBA Developments on the Good Old EN-1* – F. Schiettekatte	14:20	THU-PM-B-3	*Thermal Oxidation of 6H SiC Studied by Oxygen Isotopic Tracing & Narrow Nuclear Resonance Profiling* – I. Trimaille
14:40	THU-PM-A-4	*H^+, H_2^+ and H_3^+ Induced X-rays in Si Under Channeling Conditions* – M. Behar	14:40	THU-PM-B-4	*Measurements of He-3 Retention in Tungsten, Simulating Conditions at the First Wall of an IFE Reactor, Using He-3(d,p) He-4 Nuclear Reaction Analysis* – S. Gilliam
15:00		***BREAK***	***Pre-function area***		
15:30	**Poster Session 2**		**Conference Center ABCD, Potters, Weavers, Turquoise rooms**		
Conference Reception and Banquet					
18:30	Reception		Pre-function area		
19:30	Banquet		Conference Center EFGH		

22:00 Daily Session Concludes

Friday, July 4

7:30	Continental Breakfast		Pre-function Area		
		Plenary Talks; Chair: S. Thevuthasan	Conference Center EFGH		
8:30	FRI-PLE-1	*Ion Beam Analysis in Art & Archaeology: Attacking the Precision Power Paradigm* – M. Abraham			
9:00	FRI-PLE-2	*Ion Beam Microanalysis in Geoscience Research* – C. Ryan			
9:30	FRI-PLE-3	*The Use of Ion Beams in Nanoscience & Nanotechnologies Research* – J. Barbour			
10:00		*BREAK*	*Pre-function area*		
	Art/Archaeology; Chair: B. Wilkens - Conference Center E		Environmental Science; Chair: C. Ryan – Conf Center FGH		
10:30	FRI-AM-A-1	*IBA of Art Works: 14 Years of Use in the Louvre* – J. Dran	10:30	FRI-AM-B-1	*IBA Methods for Characterization of Fine Particulate Atmospheric Pollution: A Local, Regional & Global Research Problem* – D. Cohen
11:00	FRI-AM-A-2	*Characterization of Early Medieval Paintings by Micro-PIXE, SEM & Raman Spectroscopy* – A. Zucchiatti	11:00	FRI-AM-B-2	*Application of Accelerator SIMS in Environmental Sciences* – C. Maden
11:20	FRI-AM-A-3	*The Non-destructive Appraisal of Early Chinese Porcelain by PIXE* – H. Cheng	11:20	FRI-AM-B-3	*Size & Time Resolved Atmospheric Aerosol & Radionuclide Measurements Using Ion Beams & Radionuclide Aerosol Sampler/Analyzer: Rattlesnake Mountain Study 2002* – V. Shutthanandan
11:40	FRI-AM-A-4	*In-air PIXE Setup for Automatic Analysis of Historical Documents Inks* – M. Budnar	11:40	FRI-AM-B-4	*Lattice Location of Helium in Uranium Dioxide Single Crystals* – L. Nowicki
12:00		***LUNCH*** *(your own arrangements)*			
	Sputtering Physics; Chair: D. McDaniel - Conference Center E		Low/Medium Energy; Chair: D. Moon - Conference Center FGH		
13:30	FRI-PM-A-1	*Existence of Transient Temperature Spike Induced by SHI: Evidence by IBA* – D. Avasthi	13:30	FRI-PM-B-1	*MEIS Studies of the Composition & Breakup of Ultrathin High-k Dielectrics* – T. Gustafsson
14:00	FRI-PM-A-2	*ERDA & Electronic Sputtering* – W. Assmann	14:00	FRI-PM-B-2	*Development of Medium-energy Ion Scattering Microscopy* – T. Kobayashi
14:30	FRI-PM-A-3	*Open Questions in Electronic Sputtering of Solids by Slow, Very Highly Charged Ions* – T. Schenkel	14:20	FRI-PM-B-3	*Depth Characterization of nm-Layers by Low Energy Ion Scattering* – M. Draxler
			14:40	FRI-PM-B-4	*A Combined LEIS/STM Study of Two Types of Surface Reconstruction of Magnetic Fe4N Layers* – R. Gonzáles-Arrabal
15:00		*BREAK*	*Pre-function area*		
15:30	**Concluding Remarks / Conference Closing**				